

Amendments to the Claims

1. (Canceled)
2. (Previously canceled)
3. (Canceled)
4. (Canceled)
5. (Previously canceled)
6. (Previously canceled)
7. (Canceled)
8. (Canceled)
9. (Previously canceled)
10. (Previously canceled)
11. (Previously canceled)
12. (Previously canceled)
13. (Previously canceled)
14. (Previously canceled)
15. (Currently canceled)

16. (Previously canceled)
17. (Currently canceled)
18. (Previously canceled)
19. (New) A method of ameliorating bone loss problems associated with aging in a person in need thereof, comprising administering to the person in need thereof an amount of purified β -cryptoxanthin effective to ameliorate the bone loss problems associated with aging.
20. (New) A method as defined in claim 19, wherein the amount is between about 100 and about 1000 μg per kilogram of body weight.
21. (New) A method as defined in claim 19, wherein the amount is between about 0.5 mg and about 10 mg.
22. (New) A method of ameliorating osteoporosis in a person in need thereof, comprising administering to the person in need thereof an amount of purified β -cryptoxanthin effective to ameliorate the osteoporosis.
23. (New) A method as defined in claim 22, wherein the amount is between about 100 and about 1000 μg per kilogram of body weight.
24. (New) A method as defined in claim 22, wherein the amount is between about 0.5 mg and about 10 mg.
25. (New) A method of promoting osteogenesis in a person in need thereof, comprising administering to the person in need thereof an amount of purified β -cryptoxanthin effective to promote osteogenesis.

26. (New) A method as defined in claim 25, wherein the amount is between about 100 and about 1000 μ g per kilogram of body weight.
27. (New) A method as defined in claim 25, wherein the amount is between about 0.5 mg and about 10 mg.